Title (en)

METHOD TO INCREASE SENSITIVITY OF NEXT GENERATION SEQUENCING

Title (de)

VERFAHREN ZUR ERHÖHUNG DER EMPFINDLICHKEIT DER SEQUENZIERUNG DER NÄCHSTEN GENERATION

Title (fr)

PROCÉDÉ VISANT À AUGMENTER LA SENSIBILITÉ D'UN SÉQUENÇAGE DE DERNIÈRE GÉNÉRATION

Publication

EP 3286334 A1 20180228 (EN)

Application

EP 16783804 A 20160420

Priority

- US 201562150198 P 20150420
- US 2016028517 W 20160420

Abstract (en)

[origin: WO2016172265A1] A method for detecting a low-occurrence mutation in isolated DNA adds a blocking probe to reagents during amplification of the isolated DNA. The blocking probe is an oligonucleotide complementary to wild-type DNA corresponding to the sample. The blocking probe spans a site of a suspected mutation within a region of interest in the isolated DNA. After amplification, fragments of the amplified DNA is sequenced using next generating sequencing and an output is generated to display the sequenced fragments. In some embodiments, the blocking probe is locked nucleic acid (LNA).

IPC 8 full level

C12Q 1/68 (2018.01)

CPC (source: EP US)

C12Q 1/6858 (2013.01 - EP US); **C12Q 1/6869** (2013.01 - US); **C12Q 1/6886** (2013.01 - EP US); C12Q 2600/156 (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2016028517 W 20160420; AU 2016250529 A 20160420; CN 201680030934 A 20160420; EP 16783804 A 20160420; JP 2017555320 A 20160420; US 201615134302 A 20160420